In the Claims:

Please amend claims 1, 4-6, 12, 14, 18, 20 and 21 as follows:

1. (Amended) A cellular telephony searcher, comprising:

[(a)] a plurality of correlators for correlating a received signal with a pseudonoise sequence;

[(b)] an input mechanism for inputting said pseudonoise sequence into said correlators, each of said correlators receiving said pseudonoise sequence with a different delay; and

[(c)] a delay management mechanism for initializing said delays and subsequently changing said delays, said changing being contingent, for each said correlator, only on an output of said correlator.

4. (Amended) The searcher of claim 1, wherein said input mechanism includes:

[(i)] a pseudonoise sequence generator for generating said pseudonoise sequence; and

[(ii)] a delay line for receiving said pseudonoise sequence and outputting a plurality of copies of said pseudonoise sequence, each said copy being outputted with a different said delay.

5. (Amended) The searcher of claim 4, wherein said delay management mechanism includes:

[(i)] for each said correlator, an index register; and

[(ii)] a multiplexer for directing one of said copies of said pseudonoise sequence to each said correlator in accordance with an index value stored in said index register of said each correlator.

6. (Amended) In a cellular telephony network including at least one base station and at least one mobile station, each of the at least one mobile station receiving a received signal from the at least one base station, the received signal including a plurality of received values, each said received value having a real part and an imaginary part, a method for each of the at least one mobile station to identify at least one multipath channel to use to communicate with one of the at least one base station, comprising **[the steps of]**:

[(a)] generating a pseudonoise sequence;

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[(b)] simultaneously performing a plurality of initial correlations of the received signal with said pseudonoise sequence, each of said initial correlations being performed with a different initial delay of said pseudonoise sequence, said initial correlations being performed for a first dwell time to produce, for each of said initial correlations, an initial first dwell time correlation value; and

[(c)] for each said initial correlation:

[(i)] if an estimated absolute value of said initial first dwell time correlation value exceeds a threshold, continuing to perform said each initial correlation,

[(ii)] otherwise, performing a first subsequent correlation of the received signal with said pseudonoise sequence at a first subsequent delay different from any of said initial delays;

wherein, if said performing of at least one of said initial correlations is continued and if at least one of said first subsequent correlations is performed, said continued performing of said at least one initial correlation and said performing of said at least one first subsequent correlation are effected simultaneously.

12. (Amended) The method of claim 6, wherein said first subsequent correlations are performed for said first dwell time to produce, for each of said first subsequent correlations, a subsequent first dwell time correlation value, the method further comprising **[the steps of]**:

[(d)] for each said first subsequent correlation:

[(i)] if an estimated absolute value of said subsequent first dwell time correlation value exceeds a threshold, continuing to perform said each first subsequent correlation;

[(ii)] otherwise, performing a second subsequent correlation of the received signal with said pseudonoise sequence at a second subsequent delay different from any of said initial delays and from any of said first subsequent delays.

14. (Amended) The method of claim 6, further comprising **[the step of]**:

[(d)] if, after said simultaneous initial correlations are completed up to said first dwell time, all of said delays, whereat said initial correlations are continued and whereat said first subsequent correlations are performed, exceed a shortest initial delay, pausing said generating of said pseudonoise sequence.